

DERWENT-ACC-NO: 2003-580479

DERWENT-WEEK: 200355

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Hurling **ball** comprises cork core, and outer leather sheath bonded to core by intermediate layer of polyurethane foam and having upstanding **sinuous** rib

INVENTOR: MCEVOY, T

PATENT-ASSIGNEE: MCEVOY T[MCEVI]

PRIORITY-DATA: 2001IE-0001014 (November 26, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
IE 82913 B3	June 11, 2003	N/A	021 A63B 045/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
IE 82913B3	N/A	2001IE-0001014	November 26, 2001

INT-CL (IPC): A63B045/00

ABSTRACTED-PUB-NO: IE 82913B

BASIC-ABSTRACT:

NOVELTY - A hurling **ball** (10) comprises cork core, and outer leather sheath (16) bonded to core by intermediate layer of polyurethane foam and having upstanding **sinuous** rib bonded to the core by an intermediate layer of a polyurethane foam. The external surface of the leather sheath includes an upstanding **sinuous** rib which divides the external surface into two similar

dumbbell-shaped areas.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method for manufacturing a hurling **ball** comprising providing a multi-part mold which can be assembled to define a spherical mold cavity, lining the cavity with leather pieces (14) ultimately to form an outer leather sheath for the **ball**, supporting a cork core centrally in the cavity, injecting a polyurethane foam forming mixture into the space between the core and the leather pieces, and allowing the mixture to cure. The leather pieces is shaped and arranged in the mold to produce on the external surface of the leather sheath an upstanding **sinuous** rib which divides the external surface into two similar dumbbell-shaped areas.

USE - For hurling.

ADVANTAGE - The cured polyurethane-based mixture is not water absorbent and thus even if water penetrates the surface of the ball at the rib it cannot soak further into the ball. There is no stitching to come undone and thus the integrity of the ball is more likely to be retained. The ball is also more susceptible to manufacture with reproducible characteristics of size, shape, weight and performance.

DESCRIPTION OF DRAWING(S) - The figure is a perspective view of a hurling ball.

Hurling ball 10

Leather pieces 14

Leather sheath 16

CHOSEN-DRAWING: Dwg.1/11

TITLE-TERMS: HURLING **BALL** COMPRISE CORK CORE OUTER LEATHER SHEATH BOND CORE

INTERMEDIATE LAYER POLYURETHANE FOAM UPSTANDING
SINUOUS RIB

DERWENT-CLASS: P36

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2003-461570

